



A SHORT TIME BACK WHEN THE BULLETIN PUBLISHED pictures of some attractive flower gardens around the plant and it turned up that the Laboratory Division was not included in the horticultural display, the Labsters put up a righteous protest. Seems as how they had some nature-lovers of their own who liked to brighten the corners where they are. So, out went the photographer again with the above results. At left is the plot at



the Analytical Laboratory with petunias, gladioli, chrysanthemums, scarlet sage and marigolds—plus Alice Elder and Ruth Jones, admiring the situation. At right is the garden at the Assay Laboratory with folks in view being Virginia Hill, Ray M. Fox, Buildings and Grounds; and Dora Whaley. Fox contributed his time to plant the gardens after they were planned by many members of the two departments.

Fire Prevention Week Observance Set October 5-10

Y-12 Program Planned To Stress All Points Of Eliminating Hazards

The Y-12 Plant will join Oak Ridge and the rest of the United States and Canada in observance of Fire Prevention Week during the week of October 5-10. Although fire prevention is on a year-around basis in Y-12, the annual Fire Prevention Week observance gives all employees an opportunity to check up on conditions in their immediate work areas in an effort to eliminate all possible fire hazards, thereby making the plant a safer place in which to work.

Different Program Planned

Y-12 Fire Chief W. O. Elam is working on plans for a different program from the usual routine observance of previous years. Details of the program will be described before the Fire Prevention Week date.

The program will stress points every Y-12er should know about fire prevention. Demonstrations and talks will include instruction on some of these points:

What to do in case of fire.

The part of individuals in emergency drills.

How to use fire extinguishers and hand fire hose.

How to turn in fire alarms and what to do after an alarm is given.

What sprinklers are for, how they work and how not to foul them up.

How fire doors are kept working.

Smoking Zones Important

Where smoking is permitted in the plant and where it is prohibited for better fire safety.

Housekeeping routine in the plant such as disposal of oily wiping rags and waste and handling of packing materials.

Special fire safeguards on particular jobs where there are fire hazards.

Before and during Fire Prevention Week attention will be paid to fire safety around the homes of Y-12ers as well as in the plant. Suggestions on elimination of home fire hazards will be given in an effort to fully inform every Y-12 family on the dangers of flames.

Observed By Proclamation

Fire Protection Week is observed annually on instructions through a presidential proclamation. The date of the observance is set to include the anniversary of the great Chicago Fire in 1871 that wreaked havoc in that city. The annual observance is to call attention of the world the horror of fires that break out 4,900 times daily, killing 33 and disfiguring and injuring 65 more every day and in the same length of time attacks 920 homes, 78 stores, 100 factories, nine schools, eight churches and four hospitals. It is estimated that a needless fire breaks out every 15 seconds—so a little time spent in reviewing the causes of such fires and how they could have been eliminated can be considered time well spent by every Y-12er.

UCC Completes Plans For Big Expansion

Largest In Plastics Industry Is Undertaken

Union Carbide has completed plans for the largest single expansion in the history of the plastics industry. A three-year expansion program calls for construction of three large plants with facilities to produce Bakelite polyethylene plastic, its compounds, and other chemicals from natural gas.

This program, when completed in 1955, will double present United States polyethylene production, bringing total annual production of Bakelite polyethylene to over 250,000,000 pounds. Polyethylene has enjoyed the most rapid growth of any of the major plastics and demand for this versatile plastic has grown and continues to grow at a rapid rate.

Plants Located Near Supplies

The new plants are strategically located near gas supplies in Texas and California since the plants depend on gas for their chemical raw materials. Carbide and Carbon Chemicals Company, a Division of Union Carbide and Carbon Corporation, will build and operate the plants, while Bakelite Company, also a Division of Union Carbide and Carbon Corporation, will continue to handle sales.

The first of the new plants will probably begin operation at Texas City, Tex., about August of this year. By mid-1954 the Seadrift, Tex., plant will be open. By early 1955, the Torrance, Cal., plant in Los Angeles County is expected to begin production.

Polyethylene is the most versatile plastic.

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Mechanical Engineers Set Smoker For Next Thursday

The East Tennessee Section of the American Society of Mechanical Engineers will hold a smoker at 8 o'clock Thursday night, September 18, in the Starlight Room of the Oak Terrace. An illustrated talk on "Engineering In Brazil" by A. P. Fraas, of the ANP Division of the Oak Ridge National Laboratory, will be the feature of the meeting.

Fraas previously served with the Brazilian Air Ministry and his talk will be based on his experiences there. He also is a specialist in internal combustion engines, having taught this subject at New York University and Case Institute of Technology. Fraas also was with the Wright Aeronautical Corp. and Packard Motor Co.

All mechanical engineers in Y-12, guests and friends are invited to the smoker.

'Disaster Follows Sabotage' Is Theme Taken For Statement By Johnson Urging Security

Army Under Secretary Declares Death, Injury, Property Loss And Unemployment Saboteur's Toll

Sabotage is probably one of the most effective methods for a traitor to hamstring the United States. Earl D. Johnson, Under Secretary of the Army, as well as other Army and civilian authorities entrusted with the defense of the nation, is well aware of this danger. Pointing out the hazards of sabotage, Under Secretary Johnson recently issued a statement entitled "Disaster Follows Sabotage," which The Bulletin is publishing in full with the hope that it will be read in its entirety and the message absorbed by every Y-12er. The statement follows:

Stop To Think

"Did you ever stop to think what happens after the saboteur strikes?"

"What follows the four horsemen of sabotage—Death, Injury, Property Loss and Unemployment?"

"If the place where you work were destroyed by sabotage, you might be killed. Whether you were an office worker or whether you were working in the plant, a fire or explosion might result in your death.

"Maybe you would be numbered among the injured, with the prospect of a large medical expense and a long period of forced inactivity. Permanent injuries could prevent you from following your previous line of work.

Home Might Be Destroyed

"Property damage resulting from sabotage might easily spread beyond the limits of some industrial plant to include a large area, even an entire city. Your home might be in the path of such destruction.

"Of course, one of the most widespread results of sabotage would be unemployment. Although you might not be working in a plant which had been sabotaged or even working in a plant engaged in defense work, a large-scale reduction of activity because of sabotage could throw you out of work. Destruction of power lines, railways or communication systems could bring all business to a virtual standstill in the area which they served.

Could Be National Disaster

"A national disaster might conceivably result from an intense wave of well-planned and executed sabotage—a fact which should cause every American worker to think—then act in the

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Physics Seminar Group To Meet Friday Afternoon

Regular sessions of the Oak Ridge Physics Seminar will be resumed on Friday afternoon of this week, September 11, in the auditorium of Bldg. 4500, Oak Ridge National Laboratory. The meeting will begin at 3:15 p.m. and the speaker will be E. D. Klema, of Oak Ridge National Laboratory. His topic will be "Angular Correlation of Nuclear Gamma Rays." Y-12 technical and scientific personnel interested in the subject are invited to attend the seminar session.

Y-12ers Invited To Enter Contest By Ridge Art Center

Y-12 artists interested in entering paintings and drawings in the annual art show to be given Sunday and Monday, September 13 and 14, have been invited to submit them to the Oak Ridge Community Art Center, sponsors of the show. The exhibition will be held at the high school and entries should be sent to Mrs. Charles S. Shoup, 80 Outer Drive, by September 10. Judges will be Jane E. Crowell, William K. Baker and Mrs. R. N. Lyon.

SAFETY SCOREBOARD

Your Plant Has
Operated
36 Days

Without A Lost Time
Accident

Through September 3

Invitations Given To Technical Groups To Submit News Of Meetings To Bulletin

The Y-12 Bulletin again extends invitations to all technical societies and groups in Oak Ridge to submit notices of their meeting during the coming autumn and winter season for publication in the plant newspaper. This is being done for the convenience of the organizations to inform their members in Y-12 in advance of meeting dates, times, places and a brief summary of the programs to be offered.

The deadline for handling such material will be on Thursday after-

noon of each week for publication in The Bulletin the following Wednesday. Because of the last minute press of other news, it will be necessary to enforce this deadline in order to carry out the publication schedule of the paper.

It is not necessary for publicity officials of the technical groups to endeavor to put the material in final form for news coverage—as only the actual facts need to be sent to The Bulletin, North Portal, telephone 7753.

The Bulletin

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OFFICE
North Portal Bldg. 9701-1
Telephone 7753

UT Engineering School Offers Graduate Work

A total of nine courses will be offered by the University of Tennessee Graduate School Electrical Engineering Department in the Evening Graduate Program, according to the information received from the university for distribution to Y-12 personnel. All courses carries three quarter hours of credit and the courses will be given in Ferris Hall on the Knoxville campus.

Must Have Bachelor's Degree

The prerequisites for registration include an official transcript from an accredited college showing that the applicant holds a Bachelor's Degree in Electrical Engineering and that his scholastic average was at least 80 per cent. The tuition will be \$8 for each quarter hour credit.

Registration will be on Friday, September 25, and 8 a.m. to 12 o'clock on Saturday, September 26, at the graduate office in the Administration Building on the university campus. Classes begin Monday, September 28.

Courses To Be Offered

The Evening Graduate Program will include Mathematics 454-5-6, applied mathematics for engineers; Electrical Engineering 507-8-9, transients in linear systems; Electrical Engineering 521-2-3, advanced electrical machinery; Electrical Engineering 524-5-6, feedback systems; Electrical Engineering 531-2-3, electrical design of power houses and substations; Electrical Engineering 541-2-3, power systems; Electrical Engineering 551-2-3, advanced vacuum tube circuits; Electrical Engineering 574-5-6, network synthesis; Electrical Engineering 581-2-3, electromagnetic radiation and propagation.

Y-12ers interested in the program should write or call the Electrical Engineering Department, University of Tennessee, Knoxville, Tennessee. Telephone: 4-2981, Extension 358.

Tool Engineers Announce Dates Of Monthly Meetings

The Knoxville-Oak Ridge Area Chapter No. 107, American Society of Tool Engineers, has opened its first full year of operation by planning monthly meetings for the next several months, according to M. B. Hilton, of the Y-12 Mechanical Engineering Department, the chapter chairman. Meetings will be held on the first Tuesday of each month, with the next three being scheduled for October 6 in Knoxville, November 3 in Oak Ridge and December 1 in Knoxville. Interesting programs are being arranged for each session.

The chapter opened its season on September 8 in Oak Ridge when S. E. Beer, district sales manager of the Monarch Machine Co. spoke on air tracer duplicators, monomatic production equipment and tool room equipment.

NEW HOUSING STARTED

Work has started on three new housing developments in the Portsmouth, Ohio, atomic plant area, according to the Portsmouth Times.



THAT BIG "FIRST DAY AT SCHOOL" IS BEING OBSERVED IN OAK RIDGE THIS WEEK. Above are shown a pair of youngsters registering for kindergarten classes at Linden School, their first step in formal education. From left are Miss Ruth Jewell, teacher at Linden, then comes Mrs. Harold R. Bailey and Harold Glen Bailey, wife and son of Harold R. Bailey, Y-12 Electrical Maintenance Department; while young Jack Gentry Garland and Mrs. Dan W. Garland, son and wife of Dan W. Garland, a former Y-12er, wait at right.



While sweating it out over those hot days last week—we ran across an item that said folks can go to Lapland as a tourist and rent a sleigh with two reindeer for \$1.50 per day. Hot dog, that's the life! This data is NOT available through the tourist aid service of the Recreation Office.

Violet Sanford, of Technical Information, vacationed last week at her home in Roanoke, Va. . . . Tom Stephens spent last week visiting in Gainesville, and Blairsville, Ga. . . . Helen Burkhalter spent a recent week at her home near Oliver Springs. . . . The department welcomes Kathryn Dumas to the roster.

J. E. Hargis, of Maintenance Shops, and his family spent a recent week end with relatives in Carthage, Tenn. . . . J. P. Shuttle vacationed recently in Mobile, Ala., and in New Orleans, La. . . . A. R. Aytes and his wife stopped over at Cherokee, N. C., to see "Unto These Hills", last week before going on to Asheville, N. C., for a visit—they planned to finish up their vacation in Florida. . . . Richard Dew and his family spent last week with relatives in Raleigh, N. C. . . . Lyle G. Lankford and his wife went out to Fort Worth, Tex., for a visit. . . . F. M. Pugh spent his week around home in Oak Ridge. . . . The department welcomes P. P. Huffman, C. G. Clifton and L. Richardson to the roster. . . . Get-well wishes are extended to W. B. Tyree, who was a patient in the Oak Ridge Hospital last week. . . . Also a speedy recovery to J. C. Dupree, who is ill in the Kennedy Veteran's Hospital in Memphis. . . . A welcome goes to A. J. Crawford, who has returned after a year of service with the Navy. . . . S. C. Simmons spent last week in Leakville, N.C.

A group of folks in the Buildings and Grounds Department including Elmer Green, R. L. Martin, T. B. Johnson, D. V. Zehner, D. M. Harris, Floyd Queener, C. H. Crockett and C. T. Haun along with their wives spent the Labor Day week end on a fishing trip to Orange Beach, Ala., joining a party of fellows, L. A. Jeffereys, C. J. Price, Fred Morrow and H. R. Dyer, and their wives, who were already there last week. . . . L. K. Flynn, G. W. Chancey, F. F. Orme, G. G. Boshears and R. W. Higgins are vacationing this week. . . .

R. Knaff is off on two weeks of vacation.

D. Lay and B. H. House, of Transportation, are on a week of vacation.

Elizabeth Collins, of Photographic, enjoyed last week's vacation at her home in Fountain City.

J. G. Harris, of Research Services, spent his recent vacation week catching up on his fishing.

A. S. DeFelice spent a recent week's vacation in New York.

E. T. O'Rourke has returned from a week of vacation. . . . G. I. DeLozier has also been on a week's vacation. . . . Hugh Sadler has returned from a two-week vacation.

The folks in the department and their families enjoyed a day of recreation and picnicking at Big Ridge Park on August 29.

Jim Chambers, of Medical, is enjoying this week at his home in Byington.

L. L. Kilgore and W. M. Simpson, of the Steam Plant, spent the week end on a fishing trip to Panama City, Fla.

Plant Protection extends sympathy to Superintendent Gentry L. Underwood, and the family, at the death of his father-in-law, September 1, in Terry, Miss.

Meta Butler, of Wage Standards, and her daughter, Betty Jo, of Insurance and Housing, spent the Labor Day week end at their home in Camden. . . . The department extends wishes for a speedy recovery for Jim Whitcomb's wife, who is in the Oak Ridge Hospital.

Ed Hensley and A. Berry were vacationing from the ADP Maintenance Department last week.

More power to that Order Of Southern Gentlemen, Inc., recently granted a charter in Georgia. Two of the order's main rules are—hats off in elevators and seats for women in public conveyances.

J. W. Fielder, of Stores, is spending this week lounging around home in Harriman. . . . Ann Fitzgerald spent last week seeing the sights of New York and Niagara Falls. . . . Bessie Penland vacationed in Florida last week. . . . Helen Claffey, and her husband, Chuck, are visiting in Norwood and Rochester, N. Y., and in Montreal, Canada. . . . The department extends get-well wishes to Woody Palmer, who was ill last week.

Property Sales extends get-well wishes to Glen Slack, who was a patient in the Oak Ridge Hospital last week. . . . A welcome back to work goes to A. Mitchell, who has been off ill.

Folks in ADP Development extend congratulations to Harvey Kite, who is the proud papa of a baby girl—little Margaret Lynn was born August 23 at the Oak Ridge Hospital.

The Development Division extends get-well wishes for Joe Williams, who was off ill last week.

The Laundry Department extends wishes for a speedy recovery for Sarah Coram's mother, who is ill in Fort Sanders Hospital in Knoxville. . . . Marie Coots is spending two weeks of vacation in Oak Ridge. . . . Pat White is

Continued on Page 4



The following Y-12 employees were patients at the Oak Ridge Hospital last week: B. A. Cooper, Warren Tyree and Halstead Meadows, Maintenance Shops; Arthur C. Wampler, Utilities Maintenance; Glen Slack, Property Sales; Ludwig Fisher and Rusanance; Joe L. Williams, Development Division; and Walter Kisiah, Field Maintenance.

'Autumn' Taken As Theme For Carbide Wives Meeting

"Autumn" will be the theme of the monthly meeting and card party of the Carbide Wives to be held at 7:30 o'clock next Wednesday night, September 16. The party will feature bridge, bingo and canasta and refreshments will be served during the evening.

Mrs. W. B. Tyree, whose husband is a Y-12er, will be the organization's executive board member in charge of the party. Mrs. Helen Bunch will be chairman of the committee of hostesses, which will include Mesdames Frank A. Gragg, wife of a Y-12er; A. T. Jago, L. H. Fulks, J. A. Agee, and W. H. Platt.

All wives of Carbide employees are invited to attend the monthly meetings of the organization.

10 Years Service

Congratulations are in order for the following Y-12 employees who will complete 10 years of Company service within the next few days—

Astor A. Woods, Steam Plant, September 10.

William L. Morgan, Planning and Estimating, September 11.

Frederick A. Ruckart, Guard, September 13.

Leon A. Brown, Property, September 13.

Albert M. Jones, Product Processing, September 13.

Kenritch M. Adkins, Maintenance Shops, September 15.

In reporting recently that Floyd Queener, Buildings and Grounds, had completed his 10 years of Company service on August 31, the wrong department listing was given.



Congratulations to A. T. Barger, Guard Department, who became a father of a boy born August 27 at the Oak Ridge Hospital.



A NUMBER OF Y-12ERS WERE MEMBERS OF THE OAK RIDGE COMMUNITY CHORUS LAST season when this picture was made as the group gave its final concert of the year, presenting Brahms' Requiem. The Chorus will begin rehearsals for the coming season at 7:30 o'clock Monday night, September 21, at the high school music room and all Y-12ers desiring to join the group are cordially invited to attend. The Chorus also is planning a get together picnic next Monday night, September 14, at Grove Center when all prospective members will be welcomed.

Y-12 Plant Golf Tournament Slated To Begin September 19

Large Entry List Is Expected For Tourney; Handsome Group Of Trophies Offered Winners

Only one more week remains to enter the Y-12 Plant Golf Tournament which is slated to be held September 19-20 and 26-27 at the Oak Ridge Golf and Country Club. Entry blanks for the tournament may be obtained at the Y-12 Recreation Office, North Portal, or from captains of teams in the Y-12 Plant Golf League. The Recreation Office is expecting to receive a record number of entries this year as golf interest is at an all time high.

Winners Get Handsome Trophies
A group of beautiful trophies will be awarded to various flight winners and to the tournament medalist.

Any golfer in Y-12 is eligible to enter the tournament but non-Y-12 league players must play a qualifying round of 18 holes to establish an average score for the tournament. League players who have played three or more rounds this season will not have to qualify for the tournament but any league player who has played less than three rounds will have to play a qualifying round of 18 holes.

Plant league players may play a qualifying round and gain a higher ranking in tournament flight play, otherwise prevailing averages will be used in tournament play.

16 Players In Divisions

The tournament play will be divided into divisions of 16 players each, based on averages or qualifying scores. Winners in the first division will make up the championship flight with the losers playing in the first flight. Other flights will be decided in the same manner.

Tee off time for the first matches will be at 8 a.m. Saturday, September 19, with second round matches may be rescheduled for that week by mutual agreement but must be completed by Friday, September 25. Finals in all flights must be finished not later than September 27.

Rides Wanted, Offered

Five Riders Wanted — From Fountain City, via Clinton Pike, straight day. A. J. Crawford, plant telephone 7993, home telephone 6-5579 or 4-4391, Knoxville.

Riders Wanted — From Washington Pike and Whittle Springs Road section of Knoxville to East Portal, straight day. P. W. Morris, plant telephone 7793, home telephone 4-5190, Knoxville.

Riders Wanted — From Park City, North Knoxville or Lonsdale, via Oak Ridge Highway, Group No. 2. W. A. Iklebarger, home telephone 5-6801, Knoxville.

Ride Wanted Or Participate In Car Pool — From Fountain City to North Portal, straight day. M. N. Ward, home telephone 6-6553, Knoxville.

Two Riders Wanted — From Powell, straight day. W. H. Donahue, plant telephone 7411, home telephone 4-5641.

Five Riders Wanted — From South Clinton or Clinton to East Portal, straight day. O. B. Harness, plant telephone 7391, home telephone 427-R, Clinton.

Riders Or Car Pool Participants Wanted — From Burlington section, Knoxville, straight day. H. F. Clayton, plant telephone 7365, home telephone 5-7951, Knoxville.

'HONEST JOHN' APPROVED

The Salt Lake City Tribune has announced that the Army has been given the signal to produce "Honest John," a guided missile reputed to be able to carry an atomic warhead against troops. The "Honest John" missile will triple the approximately 20-mile range of the present atomic artillery gun.

Cards Finish Third In State Tourney; Sherrod On 'Stars'

Big Red Eliminated By Athens; Loy Joins Champions For Jaunt

After an impressive start, the Y-12 Cardinals wilted sadly in their last two games in the Tennessee state softball tournament in Knoxville, winding up in third place in the event. The tournament was won by the Chattanooga Wreckers, it being their fourth Tennessee crown, others being won in 1945, 1946 and 1949.

Walt Sherrod, fleet Cardinal center fielders, won a place on the all-tournament team, being selected for his position by an almost unanimous vote of sports writers, scorers and others participating in the selection. Sherrod had a batting average of .286 for the tourney, slugging out six hits in 21 trips to the plate. In the field he didn't have too much to do, handling only six chances and making one error. That came in the wild first inning against the Wreckers when bobbles were fashionable, it seemed, among the Big Red players.

Athens Surprise Team

The Y-12ers were eliminated from the tournament by the surprise team of the event, the Athens Indians. The scrappy bunch of Athenians, previously beaten four times during the season by the Cards, hopped on the Y-12ers right off the bat for their 5 to 2 victory.

Athens tallied twice in the opening round on Pete Wilson's double to left, a hit batsman, base on balls and another double to left by Hays. The Cards got one of them back in their half on Gene Huskisson's homer over the right field fence that just dropped past the boards. The Big Red tied it up in the fourth. Kayo Montgomery singled past third, took second on an infield out and third on a wild pitch before scoring on Ralph Pearson's hard hit ball to second that the fielder smothered but couldn't recover in time.

In the fifth the Athenians put

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THIS OL' GRANDDADDY OF largemouth bass in Watts Bar Lake was dragged to his doom by Chester Estes, of Maintenance Shops, and the fish is a strong contender in the Y-12 1953 Fishing Contest. The bass was taken with L. & S. bait, Shakespeare rod and Bache Brown reel.

Final Fishing Rodeo Begins On Sept. 18; Tickets Now Selling

The third and last Y-12 Fishing Rodeo of the 1953 season will begin at midnight, Friday, September 18, and will run through midnight Sunday, October 18. Tickets are now on sale and may be purchased through noon, Friday, September 25.

First, second and third prizes will be given in the eligible species which include smallmouth, largemouth, striped bass, walleye, sauger, crappie, bream and trout. Each contestant must be an employee at Y-12 or a member of his or her immediate family (wife, husband or child). The fish must be caught in Tennessee waters and taken on a rod or cane pole and line. No contestant may receive more than one award in any one division. Weight shall determine winners. In case of ties length and girth shall be used in determining the winner. All money received from entry fees will be used for prizes.

Tickets for the rodeo may be obtained from R. S. Phillippi, Bldg. 9212, telephone 7204; Avery Kendig, Bldg. 9201-2, telephone 7539; Nelson Tibbatts, Bldg. 9739, telephone 7143; Evan Means, Bldg. 9733, telephone 7731; Russell Hopper, Bldg. 9709, telephone 7549; H. L. Pace, Property Sales in Elza Warehouse; and at the Recreation Office, North Portal, telephone 7753.

Y-12 Plant Softball Tourney Underway; Trophies To Victors

Games Being Played At Pinewood Field; Closes September 18

The annual Y-12 Plant softball tournament was scheduled to begin last night, Tuesday, September 8, and will continue through Thursday, September 17. All games are scheduled for Pinewood field and the tournament will be a double elimination affair.

All eight plant league teams have entered the tournament with renewed energy and are looking forward to capturing the coveted championship trophies which will be awarded to the tournament winners.

Tonight's schedule will find the Colts squaring off against the Engineers at 6 p.m. At 7:30 p.m. the winners of Tuesday night games will meet and at 9 p.m. the losers of Tuesday night will battle each other.

Details of the schedule may be obtained from the Y-1 Recreation Office, North Portal, telephone 7753.

UCJVs Beat 49ers In Playoff Slugfest

The Uranium Control Junior Varsity softballers, second half winners in the Plant League race, trounced the 49ers, first half victors, 19 to 10 in the first of a three-game playoff last week. Wet grounds prevented the final two games of the series and a date for resumption of the title round had not been set last Friday.

The opener was a slam-bang affair with lots of hitting. Although out-thumped by the losers, 12 to 9, the UCJVs bunched their blows to better advantage. Belvin and Long hit homers and Brooks got three safeties for the winners. Manager Ralph Ford blasted a pair of doubles for the losers.

Score by innings:

| Team | R | H | E |
|--|-----|-----|-----------|
| 49ers | 024 | 004 | 0—10 12 2 |
| UCJV | 307 | 702 | x—19 9 1 |
| Sise and McLendon. Hopper and Hopkins. | | | |

Y-12 Keglerettes Split First Match

Although outscoring the Patterson Insurance Co. keglerettes in total pinnage, the Y-12 women varsity bowlers lost two out of three games to their opponents last Thursday night in the opening round of the Oak Ridge Women's City Bowling League. The Y-12ers had games of 618, 732, 643—1993, to 667, 651, 652—1970 for the opposition. The match was divided.

Individual Y-12 scores were Mavis Koons 439, Dot Parks 430, Ruby O'Kain 401, Juanita Pitt 386 and Betty Whitehorn 337.

Whitewash Matches Posted In B League

The Bumpers, Cubs and All Stars all got good starts in the B Bowling League last Thursday night, turning in whitewash wins over the Bldg. 9211, Rippers and ADP kegleres, respectively. The Swingsters bumped the Rebels by three points and the Wasps stung the Tigers by the same score. In the other match the Wolves took two and one-half points from the Has Beens with one game ending in a tie.

"It's not the work I enjoy," said the taxi driver, "it's the people I run into."

Y-12 SPORTS

Y-12ers Win Second In 'B' Tournament Of Atomic City

The Y-12 Engineers made an excellent showing in the Oak Ridge "B" Softball tournament, a marathon affair, which came to an end last week. The Engineers lost out in the finals to the K-25 A Rams by a score of 6 to 5. The Y-12ers really made a battle of it leading the A Rams, 5 to 3, going into the fifth inning when the bottom fell out and the Engineers donated the K-25ers three runs. Manager Hobey Thomas set the example for his players by slamming out two hits. Both teams committed two errors each. Joe Kidd hurled a fine game for the losers striking out six men.

Several other Y-12 plant league teams gave a good account of themselves in the tournament. Manager Carl Frazier's ADP team surprised everyone by reaching the semifinals and playing fine ball throughout the tournament. The 49ers and Uranium Control Junior Varsity reached the quarterfinals.

| Team | R | H | E |
|-------------------------------------|-----|-----|---------|
| A Rams | 300 | 030 | 0—6 9 2 |
| Engineers | 302 | 000 | x—5 8 2 |
| Lawson and Smith. Kidd and Stanfel. | | | |

White Is Winner Of Tennis Ladder

Herb White was pronounced winner of the Y-12 tennis ladder after the competition ended last week. He will receive a trophy for his triumph. After White in order came Frank Ballenger, John Boyd, Wendell DeMarcus, B. D. Cox, Lee Horton, Ronald Smith and Herb Gwinn.

Y-12ers And Sons Boosting Baseball In Oak Ridge With Play In Junior League; Jaycees Win Championship Of 1953 Season

The national pastime of baseball is getting a great boost in Oak Ridge through the operation of the Oak Ridge Junior Baseball League with Y-12ers and other Carbide employees in the Y-12 Plant area assisting the youngsters in learning and enjoying the game. Also, many sons of Y-12ers have been playing with the four teams in the league, which recently closed its 1953 season.

The league championship was won this season by the Junior Chamber of Commerce team, which had a number of sons of Y-12ers on its roster. The Jaycee youngsters won a double elimination tournament and then defeated the First Methodist team, regular league play champions, in the "Game Of Champions" for the crown.

Among the Jaycee team players whose parents work in Y-12 are Gerald Gulley, whose mother is Mrs. Katy B. Gulley, of Product Processing; Joe Mason, son of C. W. Mason, of Research Services; Richard Powell, son of E. A. Powell, ADP Maintenance; and Kendall Brady, whose father is an-



CHAMPIONS OF THE OAK RIDGE JUNIOR BASEBALL League are the Oak Ridge Jaycee team shown above. In front, from left, are Jimmie Woullard, Gerald Gulley, Hendrix Gibson, William Berry, Joe Mason, Thomas Hubbard, Terry Bolen and Evan Cox. In rear are Kendall Brady, Larry White, Carlos Brooks, Johnny Roberts, Richard Powell and Tommy Penn.

other Carbide employee in the Y-12 Plant Area.

Carl Cooper, of Wage Standards, is manager of the Elks team in the circuit and also secretary-treasurer of the league. Fred Kappelman, another Carbide employee in

the Y-12 Area, is manager of the First Methodists; Joe Walton, of Carbide in the Y-12 Area, bosses the American Legion; and manager of the Jaycees is Harold Butcher, of the Oak Ridge National Laboratory.

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Cards Capture Third In Meet

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it on ice. Anderson singled and went to second on an infield out. He was trapped by Dick Wyrick on Buster Brown's sharp grounder, after Wilson grounded out to break his string of six straight blows in two games. Brown stole second and scored as Ace Adams went all the way to third on his single to left and Walt Simmons' only error of the entire season when he let the ball roll to the fence.

With one down in the sixth, Brown singled, stole second and scored on Hays' double to left for an insurance run.

Although not picked on the all-tournament team, Bobby Loy, the Cards' speedy hurler and hard-hitting outfielder, was chosen by the Wreckers to play with them in the South-eastern Regional Tournament at Clearwater, Fla., being played this week.



Bobby Loy

He is taking a week of vacation for the trip. Loy pitched only one full game in the tournament, blanking Peerless Woollen Mills on two hits and being a constant threat at the plate.

Bill Wilburn was the wheel-horse of the Card pitching staff in the tournament, hurling 18 innings during the session. He narrowly escaped serious injury in the Athens game when hit by a bat that slipped from the hands of Adams. Although floored by the stick that hit him on the right arm and forehead, he stuck in there gamely and hurled for two more innings before retiring.

Players Due Congratulations

So the season for the Big Red is over — and players and fans alike can be proud of the fine record established by the team throughout the long season. They won an overwhelming number of their games falling before the "short series" jinx that has so often overtaken superior teams. All players, regulars and substitutes, are due a vote of congratulation for their performances.

Score by innings of the last Cardinal game in the tournament follows:

| Team | R | H | E |
|-----------|-----|-----|---------|
| Athens | 200 | 020 | 1—5 8 3 |
| Cardinals | 100 | 100 | 0—2 6 1 |

Brown and Adams. Willburn, Perry (6), Loy (7) and Seivers, Allen (7).

CAFETERIA SPECIAL ON THURSDAY OFFERS CHINESE PEPPER STEAK

The entree on the Thursday Special Lunch at the Y-12 Cafeteria for tomorrow, Thursday, September 10, will be Chinese Pepper Steak. The 50-cent special also will include a vegetable, choice of salad or dessert and rolls and butter.



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vacationing this week at home in our fair city . . . **Harry Tiller** vacationed last week at home in La-Follette.

H. D. Duncan, of Planning and Estimating, and his family are on a two-week vacation trip to Canada . . . **R. A. Sherman** and his wife spent last week in Fall River, Mass.

Carl Frazier, of the Alloy Division, and his family spent the week end with relatives in Nashville . . . **T. S. Arnold** and his wife vacationed in Washington, D. C., last week . . . The division extends wishes for a speedy recovery to **LeRoy Thornton's** family, who were injured in a recent automobile accident . . . The division wishes the best of luck to **Lois B. Hudson**, who terminated recently. She had the girls in the department over to her home in Knoxville one night last week for a buffet supper . . . **J. T. Berry** reports good fishing results from his recent trip to Caney Creek—his favorite spot—where he caught 25 crappie each weighing over one pound.

B. R. Kitts, of Field Maintenance, is spending his two weeks around home in Andersonville . . . **Lloyd McGinnis** is on a two-week tour of Florida . . . **C. B. Fowler** and **C. W. Ellison** each have two weeks of leisure . . . **J. C. Stutts** is down at his home in St. Joseph, Tenn., fixing up the place . . . **S. D. White** is spending his vacation period fishing and loafing around home . . . **C. G. Treese** is visiting a sister in Central City, Pa., this week . . . **Ed Robinson**, **R. A. Hubbard** and **E. W. Woodward** are also on this week's vacation list.

F. D. Robinson, of Utilities Maintenance, is vacationing around home in Loudon this week . . . **Harvey Garrett** is spending his time off at home in Knoxville . . . **A. H. Gough** is on a two-week vacation . . . **K. E. Caughron** is on a week of vacation.

Florence Housch and **Wilma Brock**, of Health Physics, are vacationing in St. Louis, Mo., this week . . . **Paul Ward** and his family have returned from a two-week vacation in Ogdenburg, N. Y., and Canada . . . **R. O. Wollen** and **Art Cardwell** have returned from two weeks of vacation . . . **Pauline Applin** spent last week visiting relatives in Sanders, Ga. . . **June Maupin** spent last week in Rockwood and Oak Ridge . . . **Winnie Zimmerman** is back to work this week all rested after a week of vacation at home in Oak Ridge . . . **C. M. West** is also back after a week's vacation . . . Best wishes go to **Betty May**, who terminated recently . . . **Doc Emerson** and his wife have named that new boy at their house John Parker.

D. H. Patterson, **C. H. Oaks**, **G. Hoskins** and **J. C. Mitchell** are on two weeks of vacation from the Guard Department . . . **M. N. Wilkerson** and **Lt. D. B. Williams** each have a week off.

K. E. Smith, of Fire Prevention and Control, spent last week visiting in Kentucky . . . **Capt. Dave Turner** has returned from a week of vacation.

The Electrical Maintenance De-

UCC Completes Plans For Big Expansion

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tile of all plastics. A few of the more important applications are wire and cable insulation for television, radio, and other electrical uses; non-breakable and squeezable bottles for shampoo, cosmetic, and nose sprays; translucent film wrappings for frozen foods, pre-packaged garden produce and foods in individual packages; polyethylene-coated paper for numerous other packaging uses; pipes for water supply, radiant heating, chemicals, and industrial uses; a wide variety of molded household items; as well as countless other products for both consumer and industrial use.

Bakelite polyethylene is made under the highest pressure at which any continuous commercial process is operated today, as far as is known. Compressors and piping operate safely and continuously at extremely high pressures of the same order as the pressure sustained for only a fraction of a second in the barrel of the standard Navy anti-aircraft gun with its five-inch bore.

Many Problems Are Solved

Solution of the many chemical and engineering problems involved in building such high-pressure equipment can be credited to research scientists drawn from all Divisions of Union Carbide with wide backgrounds of knowledge and experience in chemistry, metallurgy, mechanics, and thermodynamics. This is truly a Union Carbide achievement.

'Disaster Follows Sabotage' Pointed

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best interests of himself and his country.

"What can you do about this danger?"

"Be alert. Don't relax your vigilance just because the danger to our country seems to have turned 'cold.'"

"Keep informed about what is going on in the national scene and abroad. Keep an eye open for what is going on around you. This is not to suggest that you become suspicious of everyone you meet or work with, but it does suggest that if you should see or hear indications of espionage, sabotage or subversive activities, you should get in touch with the Federal Bureau of Investigation."

"Think about the problem. Observe the rules of good security—and remember that Disaster Follows Sabotage!"

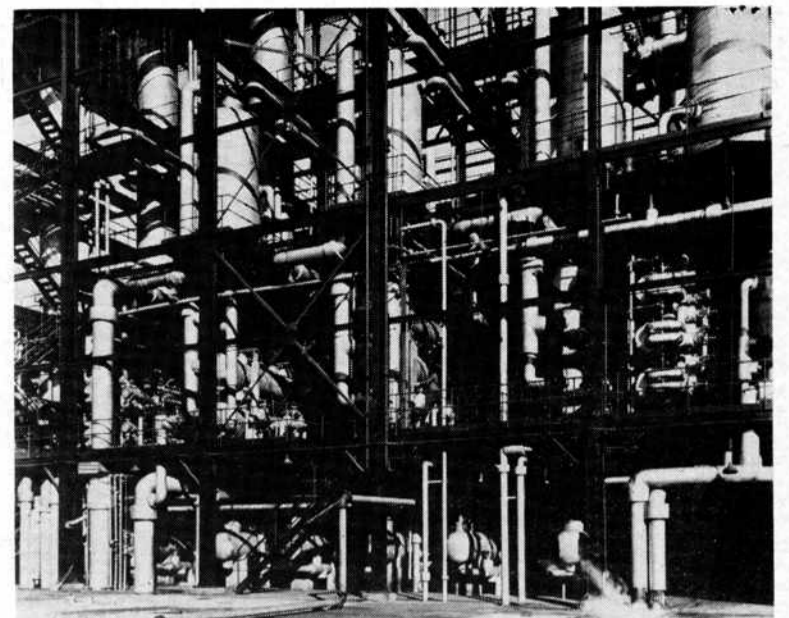
Socorro Asks Recognition As First A-Bomb Site

Socorro, N. M., now is trying to get into the act as being the first atomic bomb site in the nation. In a feature story in the Santa Fe, N. M., New Mexican, Dan Russell notes that in a dedication of a monument to the first atomic bomb explosion, citizens of Socorro claimed the Manhattan District had all news stories dated Alamogordo, N. M., and stationed soldiers there to mislead spies, although scientists were quartered at Socorro, 30 miles from the actual test site.

partment welcomes **W. M. Harrington** to the roster . . . **L. A. Slover** and his family have returned from a week's visit in New York, and in Illinois . . . **J. R. Owenby** spent his recent week off working on that new home he's building near Knoxville . . . The department extends get-well wishes to **E. H. Ingle**, who if off ill.

The man just asked—"Would you call cosmetics peach preservers?"

Lawdy, the man's crazy with the heat—so goodbye everybody, 'till next week.



THIS IS THE KIND OF MACHINERY USED IN THE Carbide plants producing Bakelite Polyethylene in a Union Carbide and Carbon Corporation program for the biggest expansion of the plastics industry in history.



THIS IS AN ARTIST'S SKETCH OF THE MULTI-MILLION dollar Carbide and Carbon Chemicals Company plant near Seadrift, Tex., expected to be completed in about one year. The plant is a part of Union Carbide's expansion program for the production of ethylene oxide and polyethylene.

Y-12 Robins End Successful Season With Record Of 17-10

Y-12's courageous feminine softball team, the Robins, battling to the last out before losing in the finals of the state championship tournament by a score of 2 to 1 to the Ragland Lassies of Nashville, have closed the books for the season. Looking backward, the Y-12 girls can be proud of their seasonal record and their deportment on and off the diamond.

Finished High In League

A quick run-down of the figures show the Robins had a 17 won and 10 lost mark for the entire season, a percentage of .630 that is good in any company. They finished second in the first half of the women's division of the Knox-Ridge League and third in the final half in addition to landing in second place in the state tournament.

In finishing second in the state event, the Robins had the satisfaction of eliminating the Knoxville Vestal team, Knox-Ridge champions.

One Bad Game Costly

A review of the state tournament play showed the Robins with excellent records, both individually and as a team. One bad game, their first loss to Ragland, crimped the mark somewhat. As a team, the Robins hit for a sound .301 with 37 hits out of 123 times at bat and scored 19 runs to 20 for the opposition. Out of that 20, 12 were tallied by Ragland in one game. The Robins played sterling ball in the field, making only six errors to 16 for the opposition. The Robins also struck out fewer times than did the foe, 12 to 19, but received less bases on balls, six to 18.

Priscilla Savage, one of the players added to the Robin squad for the tournament under recognized

procedure, hit for a lofty .467 average in the event with seven for 15. Ruby O'Kain, the veteran and steady first sacker of the Robins, was just behind with six for 15 and an average of .400. Velma Soard, a year long member of the squad was only up five times but got three safeties for a mark of .600.

Koontz Did Most Pitching

The Robins were handicapped in several engagements by the absence of key players because of work schedules, but always could be assured of putting up an interesting exhibition. Most of the pitching was done by Ella Mae Koontz, a veteran of the game who took most of the decisions won by the team. Velma Soard was a capable replacement and Bonnie Roberts one of the Knox-Ridge League's best receivers and hitters. Credit can be given to all of the squad members for their conscientious play during the season.

Horses Have Bathtubs Under New U. S. Patent

Horses sometimes ride in airplanes, trains or trucks. Now, according to the National Patent Council, it is possible for a horse to take along his own bathtub when he travels. It's big enough for him to swim in and facilities are available for heating the water if necessary.

This portable horse bathtub is the invention of Hugh P. Paris, Seattle, Wash., according to the Council. The horse walks into his bathing stall. A watertight door closes behind him. Motor-powered nozzles shower his legs. The water rises until he floats and then twirls around him.